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OM nucleic - nucleic search, using sw model

Run on: May 30, 2003, 11:31:08 ; Search time 159 seconds
(Without alignments)
7641.845 Million cell updates/sec

Title: US-08-153-397A-1

Sequence: 3962 1 CGGGCCGTGAGCTGGGTGA.....AAAAAAAAACCGAATTC 3962

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapeft 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries:

Database: Issued_Patents_NA:*

- 1: /cgn2_6/prodata/1/lna/5A_COMB.seq:*
- 2: /cgn2_6/prodata/1/lna/5B_COMB.seq:*
- 3: /cgn2_6/prodata/1/lna/6A_COMB.seq:*
- 4: /cgn2_6/prodata/1/lna/6B_COMB.seq:*
- 5: /cgn2_6/prodata/1/lna/6C_COMB.seq:*
- 6: /cgn2_6/prodata/1/lna/6D_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3962	100.0	3962	1	US-08-336-343A-1
2	3451	87.1	3637	1	Sequence 1, Appl
3	3451	87.1	3637	1	Sequence 3, Appl
4	3451	87.1	3637	3	Sequence 3, Appl
5	3451	87.1	3637	3	Sequence 3, Appl
6	1192.2	30.1	1197	1	Sequence 3, Appl
7	1192.2	30.1	1197	3	Sequence 7, Appl
8	1192.2	30.1	1197	3	Sequence 7, Appl
9	1192.2	30.1	1197	3	Sequence 7, Appl
10	642	16.2	3157	1	Sequence 3, Appl
11	642	16.2	3157	1	Sequence 3, Appl
12	639.8	16.1	3120	2	Sequence 5, Appl
13	639.8	16.1	3120	2	Sequence 19, Appl
14	182.2	4.6	2820	1	Sequence 4, Appl
15	182.2	4.6	2820	2	Sequence 4, Appl
16	182.2	4.6	2820	2	Sequence 4, Appl
17	182.2	4.6	2820	4	Sequence 4, Appl
18	180.6	4.6	2301	5	Sequence 4, Appl
19	180.6	4.6	2301	5	Sequence 23, Appl
20	180.6	4.6	3060	1	Sequence 78, Appl
21	180.6	4.6	3060	1	Sequence 6, Appl
22	180.6	4.6	3060	2	Sequence 6, Appl
23	180.6	4.6	3060	2	Sequence 6, Appl
24	180.6	4.6	3194	2	Sequence 6, Appl
25	180.6	4.6	3194	2	Sequence 1, Appl
26	180.6	4.6	3194	2	Sequence 1, Appl
27	180.6	4.6	3194	3	Sequence 1, Appl

28	180.6	4.6	3194	3	US-08-942-562-1	Sequence 1, Appl
29	180.6	4.6	3194	3	US-09-156-923-1	Sequence 1, Appl
30	180.6	4.6	3707	1	US-08-271-454-1	Sequence 1, Appl
31	180.6	4.6	3707	5	PCT-US95-08180-1	Sequence 1, Appl
32	178.6	4.5	2526	1	US-07-912-952-1	Sequence 8, Appl
33	178.6	4.5	2940	2	US-08-286-305A-8	Sequence 8, Appl
34	178.6	4.5	2940	2	US-08-441-104A-8	Sequence 8, Appl
35	178.6	4.5	2940	2	US-08-440-816A-8	Sequence 8, Appl
36	178.6	4.5	2940	4	US-08-417-381A-8	Sequence 8, Appl
37	163	4.1	2463	1	US-08-339-578-1	Sequence 8, Appl
38	158	4.0	4092	2	US-08-469-537A-106	Sequence 106, App
39	147.2	3.7	3398	5	PCT-US95-08493-12	Sequence 12, Appl
40	139	3.5	2208	5	PCT-US95-08493-12	Sequence 1, Appl
41	139	3.5	2580	5	PCT-US95-08493-18	Sequence 1, Appl
42	139	3.5	2604	5	PCT-US95-08493-20	Sequence 20, Appl
43	138.4	3.5	2376	1	US-07-912-952-3	Sequence 3, Appl
44	135.2	3.4	4149	2	US-08-737-715-1	Sequence 1, Appl
45	130.4	3.3	2869	1	US-08-374-834-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-336-343A-1
Sequence 1, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A NO. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
CLASSIFICATION: 435
FILING DATE: 08-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8664
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3962 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 321..3077
US-08-336-343A-1
Query Match 100.0%; Score 3962; DB 1; Length 3962;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3962; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CGGGCTGTAGACTGGGGTGTACTGGAGACCTTAAGAGATCTTGAGCTGGAGGCCCCCGACAG	60
Db	1	CGGGCTGTAGACTGGGGTGTACTGGAGACCTTAAGAGATCTTGAGCTGGAGGCCCCCGACAG	60
QY	61	CTGGCTGTGGGAGCGGCGCTCCCGAACCAGGCCCCCGCGGGCGCTCCCGCTCCCGGCTC	120
Db	61	CTGGCTGTGGGAGCGGCGCTCCCGAACCAGGCCCCCGCGGGCGCTCCCGCTCCCGGCTC	120
QY	121	CCGGCTCTGGGCTCCCTCCGCGCTCCCGCGCCCTCCCGCGCCGCGCGCGAAGAGAGCCCGCT	180
Db	121	CCGGCTCTGGGCTCCCTCCGCGCTCCCGCGCCCTCCCGCGCCGCGCGCGAAGAGAGCCCGCT	180
QY	181	CCGGGGTGGAGACGCTGGGTCTGCGCGGAAAGCGATGAGAGTGTCTGAAGTGGCTAT	240
Db	181	CCGGGGTGGAGACGCTGGGTCTGCGCGGAAAGCGATGAGAGTGTCTGAAGTGGCTAT	240
QY	241	TCATGAGACGANTGGGGTGGACTTGAAGAAATGCCAAGAGATGCGCCCCCGCCCTTA	300
Db	241	TCATGAGACGANTGGGGTGGACTTGAAGAAATGCCAAGAGATGCGCCCCCGCCCTTA	300
QY	301	GGCCCGAGGAGTACAGAGACTTATGGGACAGAGGCCCTGTCACTTTACTGCTGCTCT	360
Db	301	GGCCCGAGGAGTACAGAGACTTATGGGACAGAGGCCCTGTCACTTTACTGCTGCTCT	360
QY	361	TGGTGGCAAGTGGAGATCTGTACATGAAGAGGACATTTGATCTCTCCAAATGCGCTATG	420
Db	361	TGGTGGCAAGTGGAGATCTGTACATGAAGAGGACATTTGATCTCTCCAAATGCGCTATG	420
QY	421	CCCTGGGATGAGAGACCGGACATCCACAGACAGTATCTCTCTCCAGCTCTGAT	480
Db	421	CCCTGGGATGAGAGACCGGACATCCACAGACAGTATCTCTCTCCAGCTCTGAT	480
QY	481	CAGATTCACATGCGCCCGCCCAACAGACAGTTGGAGAGCAGTGGAGGGATGGGCGCTGT	540
Db	481	CAGATTCACATGCGCCCGCCCAACAGACAGTTGGAGAGCAGTGGAGGGATGGGCGCTGT	540
QY	541	GGCCCGAGGAGTGGGTGTTTCCCAAGAGAGAGAGTACTTGAGGTGGATCTACAAACAC	600
Db	541	GGCCCGAGGAGTGGGTGTTTCCCAAGAGAGAGAGTACTTGAGGTGGATCTACAAACAC	600
QY	601	TCACACTGTGTGCTGTGGTGGACACCAGGAGCGGATGCCGGGGCGCTGGGCAAGAGT	660
Db	601	TCACACTGTGTGCTGTGGTGGACACCAGGAGCGGATGCCGGGGCGCTGGGCAAGAGT	660
QY	661	TCTCCCGAGGTACCGGCTGGGTACTCCCGGAGTGTGCCCGCTGGATGGGCTGGAGG	720
Db	661	TCTCCCGAGGTACCGGCTGGGTACTCCCGGAGTGTGCCCGCTGGATGGGCTGGAGG	720
QY	721	ACCGGTGGGTCAGAGAGTGTACTCAGGCAATGAGAACCTGAGAGGAATGTGTCTGAAG	780
Db	721	ACCGGTGGGTCAGAGAGTGTACTCAGGCAATGAGAACCTGAGAGGAATGTGTCTGAAG	780
QY	781	ACCTTGGGCCCCCATGTGTCGCCGACTGGTTCGCTTACCCCCGGGCTGACCGGGTCA	840
Db	781	ACCTTGGGCCCCCATGTGTCGCCGACTGGTTCGCTTACCCCCGGGCTGACCGGGTCA	840
QY	841	TGAGTGTCTGTCTCGGGTAGAGCTCTATGAGTGTCTGAGGGATGAGATCTCTGTCTT	900
Db	841	TGAGTGTCTGTCTCGGGTAGAGCTCTATGAGTGTCTGAGGGATGAGATCTCTGTCTT	900
QY	901	ACACCGCCCTGTGGGGGACAAATGATTTATCTGAGGCCGTGTACTCAACAGCTCCA	960
Db	901	ACACCGCCCTGTGGGGGACAAATGATTTATCTGAGGCCGTGTACTCAACAGCTCCA	960
QY	961	CCATGAGCGACATACCGTGGGGCGAATGCGAGTATGGGGGCTGGGGCAGCTGGCAGATG	1020
Db	961	CCATGAGCGACATACCGTGGGGCGAATGCGAGTATGGGGGCTGGGGCAGCTGGCAGATG	1020
QY	1021	GTTGTGTGGGCTGTGATGATTTAGGAAGATCAGAGCTCGGGTCTGGCGAGGCTATG	1080
Db	1021	GTTGTGTGGGCTGTGATGATTTAGGAAGATCAGAGCTCGGGTCTGGCGAGGCTATG	1080

QY	1081	ACTAATGTGGGAGTGGAGCAACCAACACTTCTCCAGTGGCTATGTGGAAATGAGATTAGCT	1140
Db	1081	ACTAATGTGGGAGTGGAGCAACCAACACTTCTCCAGTGGCTATGTGGAAATGAGATTAGCT	1140
QY	1141	TTGACCGGCTGAGGGGCTTCCAGGCTATGACAGTGCACCTGTAAACAATGCACAGCTGG	1200
Db	1141	TTGACCGGCTGAGGGGCTTCCAGGCTATGACAGTGCACCTGTAAACAATGCACAGCTGG	1200
QY	1201	GAGCCGCTGTGCTGGCGGGGTGGAATGTCCGTTCCGGCGTGGCCCTGCCATGGCCTGGG	1260
Db	1201	GAGCCGCTGTGCTGGCGGGGTGGAATGTCCGTTCCGGCGTGGCCCTGCCATGGCCTGGG	1260
QY	1261	AAGGGGAGGCCATGGGCCACAACCTAAGGGGACAACTGGGGAGCCCAAGACCCGGGCTG	1320
Db	1261	AAGGGGAGGCCATGGGCCACAACCTAAGGGGACAACTGGGGAGCCCAAGACCCGGGCTG	1320
QY	1321	TTCTAATGTGCCCCCTTGGCGGGCGGTGGGCTGCTTTCTGACAGCGCGCTCTCTTTGGG	1380
Db	1321	TTCTAATGTGCCCCCTTGGCGGGCGGTGGGCTGCTTTCTGACAGCGCGCTCTCTTTGGG	1380
QY	1381	GGCCCTGTGTACTCTTCAACGCAAAATCTCCTTCACTCTGATGTGGTGAACAATTCCTTC	1440
Db	1381	GGCCCTGTGTGTACTCTTCAACGCAAAATCTCCTTCACTCTGATGTGGTGAACAATTCCTTC	1440
QY	1441	CGGCACTGGGAGGACCTTCCCGCAGCCGCCCTGTGGCGCGCTGGCCACCTCCACCA	1500
Db	1441	CGGCACTGGGAGGACCTTCCCGCAGCCGCCCTGTGGCGCGCTGGCCACCTCCACCA	1500
QY	1501	ACTTAGACGCTTGGAGCTGAGAGCCCAAGGCCACAGCCAGCCGTGGCCAAAGCCCGAGGGA	1560
Db	1501	ACTTAGACGCTTGGAGCTGAGAGCCCAAGGCCACAGCCAGCCGTGGCCAAAGCCCGAGGGA	1560
QY	1561	GGCCGACGCGCATCTCCTCATCGGCTGCTGTGGGACATGATCCGTGCTCTGTGGCATCA	1620
Db	1561	GGCCGACGCGCATCTCCTCATCGGCTGCTGTGGGACATGATCCGTGCTCTGTGGCATCA	1620
QY	1621	TTGGCCTCATGCTGTGGCGGCTGCACTGGCGAGGCTCCTGACAAAGGCTGAACGAGGG	1680
Db	1621	TTGGCCTCATGCTGTGGCGGCTGCACTGGCGAGGCTCCTGACAAAGGCTGAACGAGGG	1680
QY	1681	TGTTGGAAGAGAGGTGAAGGTTGACGTCGTCGTGCCCGGGGAGACATATCCTCATCAACA	1740
Db	1681	TGTTGGAAGAGAGGTGAAGGTTGACGTCGTCGTGCCCGGGGAGACATATCCTCATCAACA	1740
QY	1741	ACCGCCACAGTCTCTAGAGAGCCACCCCGTTACACAGAGACCCCGGCTGTGGGAATCCGC	1800
Db	1741	ACCGCCACAGTCTCTAGAGAGCCACCCCGTTACACAGAGACCCCGGCTGTGGGAATCCGC	1800
QY	1801	CCCACTCCGCTCTGTGCTCCCAATGAGCTGTGCTTGTGCTGTCCAAATCAGAGTAAAC	1860
Db	1801	CCCACTCCGCTCTGTGCTCCCAATGAGCTGTGCTTGTGCTGTCCAAATCAGAGTAAAC	1860
QY	1861	GGCTGCTTGTGGCCACTTACGCGGCTTCCCTCGAGGGCCGGGCCCCCCACACCGGCT	1920
Db	1861	GGCTGCTTGTGGCCACTTACGCGGCTTCCCTCGAGGGCCGGGCCCCCCACACCGGCT	1920
QY	1921	GGGCAAAACCAACCAACCAAGGCTTACAATGGGAGCTTAATAGAGGCTTAGAAGCCAG	1980
Db	1921	GGGCAAAACCAACCAACCAAGGCTTACAATGGGAGCTTAATAGAGGCTTAGAAGCCAG	1980
QY	1981	GGCGCCGCTTCTGTGCCCACTCCCAAGAACAGGTCGCCCATTTATGSCAGGCTGACA	2040
Db	1981	GGCGCCGCTTCTGTGCCCACTCCCAAGAACAGGTCGCCCATTTATGSCAGGCTGACA	2040
QY	2041	TTGTTTACCTTGCAGGGGCTCACCGGGGCAACACCTATGCTGTGCTGCACCTGCCCCAG	2100
Db	2041	TTGTTTACCTTGCAGGGGCTCACCGGGGCAACACCTATGCTGTGCTGCACCTGCCCCAG	2100
QY	2101	GGGCAGTGGGGAATGGGCCCCCGCAAGAGGATTTCCGCAATCCGACATCCGCTTCAAG	2160
Db	2101	GGGCAGTGGGGAATGGGCCCCCGCAAGAGGATTTCCGCAATCCGACATCCGCTTCAAG	2160
QY	2161	AGAAAGCTTGGAGAGGCCAATTTGGGAGGTGACACTGTGTGAGGTGACAGGCTTCAAG	2220

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Path (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 844C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-640-3

Query Match 87.1%; Score 3451; DB 1; Length 3637;

Best Local Similarity 97.0%; Pred. No. 0; Mismatches 5; Indels 105; Gaps 3;
Matches 3589; Conservative 0;

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17 GTTGACTTGAAGAAATCCAGAGATGCTGCCCCACCCCTTGGGCCGAGGATCAG 76
316 GAGCATATGAGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 375
77 GAGCATATGAGACAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 136
376 ATGCTGACATGAAG 435
137 ATGCTGACATGAAG 196
436 ACCGAGACATCCAGACAGATGATCTGCTCCAGCTCCTGTCAGATTCACATGCCG 495
197 ACCGAGACATCCAGACAGATGATCTGCTCCAGCTCCTGTCAGATTCACATGCCG 256
496 CCGGACAG 555
257 CCGGACAG 316
556 TGTTCACAG 615
317 TGTTCACAG 376
616 TGTTCACAG 675
377 TGTTCACAG 436
676 GGGTGGGCTTACCTCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 735
437 GGGTGGGCTTACCTCCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 496
736 AGGTGATCTCAG 795
497 AGGTGATCTCAG 556
796 TGTTCACAG 855
557 TGTTCACAG 616
856 GGTGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 915

617 GGTGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 676
916 GGTGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 735
677 GGTGAGAGCTTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 796
976 CCGTGGGAG 1035
737 CCGTGGGAG 796
1036 ATGACTTGAAG 1095
797 ATGACTTGAAG 856
1096 GCAACCAAGCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1155
857 GCAACCAAGCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 916
1156 CTTTCAGAGCTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1215
917 CTTTCAGAGCTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 976
1216 GCGGGTGAAG 1275
977 GCGGGTGAAG 1036
1276 GCAACCAAGCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1335
1037 GCAACCAAGCTTCCAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1096
1336 GCGGGTGAAG 1395
1097 GCGGGTGAAG 1156
1396 TCAAGCAATCTCTTCAATCTCTTCAATCTCTTCAATCTCTTCAATCTCTTCA 1455
1157 TCAAGCAATCTCTTCAATCTCTTCAATCTCTTCAATCTCTTCAATCTCTTCA 1216
1456 CTTTCAGAGCTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1515
1217 CTTTCAGAGCTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1276
1516 AGCTGAG 1575
1277 AGCTGAG 1336
1576 TCAATGAG 1635
1337 TCAATGAG 1396
1636 GGGGCTGAG 1695
1397 GGGGCTGAG 1456
1696 TGAAGCTTCACTTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1755
1457 TGAAGCTTCACTTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1516
1756 GAG 1815
1517 GAG 1576
1816 GTTTCAG 1875
1577 GTTTCAG 1636
1876 CTTTCAG 1935
1637 CTTTCAG 1696
1936 ACACCAAG 1995

Db 1697 ACACCCAGGCGCTACAGTGGGACTATATGAGCGCTGAGAACCCAGGCGCCCGCTTGC 1756
QY 1996 CCCCACCTGCCGAGAACAGCGTCCCATATATCCGAGGCTGACATTTGTAACCTGCAGG 2055
Db 1757 CCCCACCTGCCGAGAACAGCGTCCCATATATCCGAGGCTGACATTTGTAACCTGCAGG 1816
QY 2056 GCGTCACCGGGGCAACACCTATGCTGTGCTGCTGACCTGCCCCAGGGGCGAGTGGGGAG 2115
Db 1817 GCGTCACCGGGGCAACACCTATGCTGTGCTGCTGACCTGCCCCAGGGGCGAGTGGGGAG 1876
QY 2116 GCGCCCCCAGAGTGGATTTCCCTCGATCTGACCTCCGCTTCAAGAGAAAGCTTGGCAG 2175
Db 1877 GCGCCCCCAGAGTGGATTTCCCTCGATCTGACCTCCGCTTCAAGAGAAAGCTTGGCAG 1936
QY 2176 GCGAGTTGGGAGGAGTGCACCTGTGTGAGGTGCACAGCCCTCAAGATCTGTGACGTCTG 2235
Db 1937 GCGAGTTGGGAGGAGTGCACCTGTGTGAGGTGCACAGCCCTCAAGATCTGTGACGTCTG 1996
QY 2236 ATTTCCTTATGTCGCTAAGGAGACCCCTTGTGTGAGTGTCAAGATCTTACGGC 2295
Db 1997 ATTTCCTTATGTCGCTAAGGAGACCCCTTGTGTGAGTGTCAAGATCTTACGGC 2056
QY 2296 CAGATGCCACCAAGAAATGCCAGCTTCTCTGTTCCTCAGGAATGATTTCTGAAAGAG 2355
Db 2057 CAGATGCCACCAAGAAATG-----CAGGAATGATTTCTGAAAGAG 2098
QY 2356 TCAATATCATGTGCGAGGCTCAAGAGACCCCAACATCATTTGGCTGCTGGCGCTGTGTGC 2415
Db 2099 TCAATATCATGTGCGAGGCTCAAGAGACCCCAACATCATTTGGCTGCTGGCGCTGTGTGC 2158
QY 2416 AGGAGACCCCTCTGATGATTAAGTACTGACTACATGAGAGAGGCGCTCAACCACTTCC 2475
Db 2159 AGGAGACCCCTCTGATGATTAAGTACTGACTACATGAGAGAGGCGCTCAACCACTTCC 2218
QY 2476 TCAATGCCACCAAGTGGAGAACAGGACCGAGGGGCGCTTGGGAGGCGGACAGCTG 2535
Db 2219 TCAATGCCACCAAGTGGAGAACAGGACCGAGGGGCGCTTGGGAGGCGGACAGCTG 2278
QY 2536 GCGAGGGGCGGACATCAAGTCAACCAATCTGCTGATGTGGAGCCCAAGATGCGCTCCG 2595
Db 2279 GCGAGGGGCGGACATCAAGTCAACCAATCTGCTGATGTGGAGCCCAAGATGCGCTCCG 2338
QY 2596 GCATCGCTATCTGCGCACACTCACTCACTTGTATCTGAGGAGCTGGGCGGAGGAACTGCG 2655
Db 2339 GCATCGCTATCTGCGCACACTCACTTGTATCTGAGGAGCTGGGCGGAGGAACTGCG 2398
QY 2656 TAGTTGGGAAAAATTTCAACATCAAAATCGACAGCTTGGCATGAGCCGGAACCTCTATG 2715
Db 2399 TAGTTGGGAAAAATTTCAACATCAAAATCGACAGCTTGGCATGAGCCGGAACCTCTATG 2458
QY 2716 CTGGGAGCATATTAACGCTGCGAGGCGGCGGCGAGTCTGCCATCCGCTGGATGCGCTGG 2775
Db 2459 CTGGGAGCATATTAACGCTGCGAGGCGGCGGCGAGTCTGCCATCCGCTGGATGCGCTGG 2518
QY 2776 AGTGCATCTCATGAGGAGTTCACAGACTGCGAGTGCAGTGTGGGCGCTTGTGTGACCC 2835
Db 2519 AGTGCATCTCATGAGGAGTTCACAGACTGCGAGTGCAGTGTGGGCGCTTGTGTGACCC 2578
QY 2836 TGTGGAGGTGCTGATGCTGTGTAGGCGGACCCCTTGGGAGCTCAACCGAGAGCAG 2895
Db 2579 TGTGGAGGTGCTGATGCTGTGTAGGCGGACCCCTTGGGAGCTCAACCGAGAGCAG 2638
QY 2896 TCATGAGAGAGCGGGGAGTTCCTCCGAGACAGGCGCGGAGGTGTAACCTGTCCCGGC 2955
Db 2639 TCATGAGAGAGCGGGGAGTTCCTCCGAGACAGGCGCGGAGGTGTAACCTGTCCCGGC 2698
QY 2956 GCGCTGCTGCCGAGGCGCTATATGAGTGCATGCTTGGGCTGAGAGCGGAGGTCTG 3015
Db 2699 GCGCTGCTGCCGAGGCGCTATATGAGTGCATGCTTGGGCTGAGAGCGGAGGTCTG 2758
QY 3016 AGCAGCAGACACCTTTTCCAGCTGCAATCGGCTTCTGGCAGAGAGATCACTCAACAGG 3075
Db 2759 AGCAGCAGACACCTTTTCCAGCTGCAATCGGCTTCTGGCAGAGAGATCACTCAACAGG 2818

QY 3076 TGTGAATCACACATCCAGCTGCCCCCTCCCTCAGGAGTGTATCCAGGGAGGCAAGTAC 3135
Db 2819 TGTGAATCACACATCCAGCTGCCCCCTCCCTCAGGAGTGTATCCAGGGAGGCAAGTAC 2878
QY 3136 CTAAACCAAGAGACACAAATGCGACCTGTGCCCCCTCCCTCCGACAGCCATCACTCT 3195
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QY 3196 AATAGAGGAGTGTGAGCTGAGGTGGGCGTGGGCGCCACCAAGGAGTGTATGCCCTTCTC 3255
Db 2939 AATAGAGGAGTGTGAGCTGAGGTGGGCGTGGGCGCCACCAAGGAGTGTATGCCCTTCTC 2958
QY 3256 CCCTTCTGAGACACTCTCATATGTCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 3315
Db 2959 -----AGAGCCCTGTCTG 2972
QY 3316 CCGACCCAGCTGCTCTGTGATGGGATCTCTCCACCTCTCTCTCTCTCTCTCTCTCTCTCT 3375
Db 2973 CCGACCCAGCTGCTCTGTGATGGGATCTCTCCACCTCTCTCTCTCTCTCTCTCTCTCTCT 3032
QY 3376 AAGGTGGGAGAAATATAGATGACATGGAACATGGGCCATTTGAGAGACTGGGCCCC 3435
Db 3033 AAGGTGGGAGAAATATAGATGACATGGAACATGGGCCATTTGAGAGACTGGGCCCC 3092
QY 3436 ACTGACACACATGATTCCTGAGAGAGTGGCTGCG-CCCCACCTTCTCTCTCTCTCTCTCT 3494
Db 3093 ACTGACACACATGATTCCTGAGAGAGTGGCTGCG-CCCCACCTTCTCTCTCTCTCTCTCTCT 3152
QY 3495 ACACGTGACCCCACTGCTGCTGAGAAATCTGGGGGTGAGAGAGACAAAGAGAGAAATG 3554
Db 3153 ACACGTGACCCCACTGCTGCTGAGAAATCTGGGGGTGAGAGAGACAAAGAGAGAAATG 3212
QY 3555 TTCTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3614
Db 3213 TTCTCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3272
QY 3615 GAAACACTGGAACCTGGGGGTGAGCCCGCCGAGCCCTGAGTCAACCCCACTTCCACTTG 3674
Db 3273 GAAACACTGGAACCTGGGGGTGAGCCCGCCGAGCCCTGAGTCAACCCCACTTCCACTTG 3332
QY 3675 CAGTCTGTAGCTAGAACTCTCTTAAGCTTATAGCTTCTGTGAGTAAATTTGGGAT 3734
Db 3333 CAGTCTGTAGCTAGAACTCTCTTAAGCTTATAGCTTCTGTGAGTAAATTTGGGAT 3392
QY 3735 GGGGGGAAAGAGGAGCAAGCGCCCATAGCTTGGGGTGGACATCTCTAGTATGCTGC 3794
Db 3393 GGGGGGAAAGAGGAGCAAGCGCCCATAGCTTGGGGTGGACATCTCTAGTATGCTGC 3452
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RESULT 3
US-08-170-558-3
Sequence 3, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases

NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/08/170.558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTGTAAGGATGCAAGAGATGCTGCCCCCAGCCCTTAGGCGCCAGAGATCAG 315
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Db 1637 CTTACGCCGCTCCCGCTGAGAGCCCGGGCCCCCACCACACCGCCTGGGCAAAACCCACA 1696
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QY 2236 ATTTCCCGCTTAAATGCTGCTTAAAGGACACCTTTGCTGCTGCTGCTCAAGATTTAGG 2295
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RESULT 4
US-08-447-314-3
; Sequence 3, Application US/08447314
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Patent No. 6087144
 GENERAL INFORMATION:
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 Inch, 386 KB floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/447,314
 FILING DATE: 22-MAY-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/170558
 FILING DATE: 20-DEC-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/157563
 FILING DATE: 23-NOV-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Hasak, Janet E.
 REGISTRATION NUMBER: 28,616
 REFERENCE/DOCKET NUMBER: 854CID2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-1896
 TELEFAX: 415/953-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3637 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-447-314-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
 Best Local Similarity 97.0%; Pred. No. 0;
 Matches 358; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTTGAAAGAAATGCCAAGATGCTGCCCCACCCCTTAGGCCGAGGATCAG 315
 DB 17 GTTGACTTGAAAGAAATGCCAAGATGCTGCCCCACCCCTTAGGCCGAGGATCAG 76
 QY 316 GACTATGGACACAGAGGCCCTCTCATCTTTACTGCTGCTCTTGGTGGCAAGTGAG 375
 DB 77 GACTATGGACACAGAGGCCCTCTCATCTTTACTGCTGCTCTTGGTGGCAAGTGAG 136
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 QY 436 ACCGACCATCCAGACAGTGAATCTGCTTCCAGCTCCTGATGATGATTCACATGCCG 495
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 DB 257 CCGGACACAGAGTGGAGAGAGTGAAGAGGAGTGGGCGCTGGTCCCGGACGGTGG 316
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 QY 856 GGTGAGAGCTCTATGCTGCTCTGAGAGGATGAGCTCTGCTTACACCGCCCTGTGG 915
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 QY 1396 TCAGGCAATCTCTTCATCTCTGATGTGTGTAACAATTCCTCTCCGCACTGGAGGCA 1455
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[illegible]

Db 1277 AGCTGAGGCCAGAGGCCAGACCCCGTGGCCAGGCCGAGGGAGGCCGACCCGATCC 1336
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Db 2639 TCATGAGAACCGGGGGAGATTCCTCCGAGACAGAGAGAGAGAGAGAGAGAGAGAGAG 2698
QY 2956 CCGCTGCTGCGCCGAGAGGCTTATGAGAGTATGAGAGTATGAGAGTATGAGAGTATG 3015
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QY 3076 TGTGATACACATGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3135
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QY 3136 CTAAAAAGAGAGACACATGAGACCTTGCCTTCCCTCCGACAGCCCATGACCTCT 3195
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QY 3196 AATAGAGAGAGAGACATGAGAGTGGCTGGGCGCCACCCAGAGAGCTGATGCCCTTCTG 3255
Db 2939 AATAGAGAGAGAGACATGAGAGTGGCTGGGCGCCACCCAGAGAGCTGATGCCCTTCTG 2958
QY 3256 CCGTTCCTGAGACACACTCATATGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3315
Db 2959 CCGTTCCTGAGACACACTCATATGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2912
QY 3316 CCCACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3375
Db 2973 CCCACACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3032
QY 3376 AAGGTGGGGAATATAGATAGACACTGAGACATGGCCCATTTGGAGACCTGGGCGCC 3435
Db 3033 AAGGTGGGGAATATAGATAGACACTGAGACATGGCCCATTTGGAGACCTGGGCGCC 3092
QY 3436 ACTGAGCAACACTGATTCCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 3494
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QY 3495 ACACCTGAGCCCACTGCTGAGAAATCTGGGGGTGAGAGAGAGAGAGAGAGAGAGAGAG 3554
Db 3153 ACACCTGAGCCCACTGCTGAGAAATCTGGGGGTGAGAGAGAGAGAGAGAGAGAGAGAG 3212
QY 3555 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3614
Db 3213 TTTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3272
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Db 3273 GAAACACTGAGACTGGGGGTAGCCCGCCGAGCCAGCCAGCCAGCCAGCCAGCCAGCCAG 3332
QY 3675 CAGTCTGTAGCTAGAACTTCTTAAGCTTATAGCTTCTGCTGCTGCTGCTGCTGCTGCTG 3734
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: B54C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-7

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Query Match      30.18; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.78; Pred. No. 1,1e-271;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 375 GATGCTGACATGAAGGAGCAATTTGATCCCGCCAAAGTCCCTATGCCCCGCGATGAG 434
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QY 435 GACCGGACATCCGACAGTGAACATCTGCTTCCAGCTCCTGTCAGATTCACATGCC 494
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QY 555 GTGTTTCCCAAGAGGAGGAGTACTGTCAGTGGATATTAACAACACTCCACTGTGGCT 614
DB 181 GTGTTTCCCAAGAGGAGGAGTACTGTCAGTGGATATTAACAACACTCCACTGTGGCT 240
QY 615 CTGATGGGACCCAGGAGGAGCATGCCGCGGCTGGGCAAGAGTCTCCCGGAGCTAC 674
DB 241 CTGATGGGACCCAGGAGGAGCATGCCGCGGCTGGGCAAGAGTCTCCCGGAGCTAC 300
QY 675 CGGCTCGCTTACTCCCGGGATGCTCGCGCTGGATGGGCTGGAAGACCGCTGGGCTAG 734
DB 301 CGGCTCGCTTACTCCCGGGATGCTCGCGCTGGATGGGCTGGAAGACCGCTGGGCTAG 360
QY 735 GAGGTGATCTCAGGAGCATAGAGACCTGAGAGGAGTGTGCTGAAGACCTTGGGCCCC 794
DB 361 GAGGTGATCTCAGGAGCATAGAGACCTGAGAGGAGTGTGCTGAAGACCTTGGGCCCC 420
QY 795 ATGGTTGCCGAGTGTGCTTCTACCCCGGGCTGACCGGGTCACTGATGCTGTCTG 854
DB 421 ATGGTTGCCGAGTGTGCTTCTACCCCGGGCTGACCGGGTCACTGATGCTGTCTG 480
QY 855 CGGGTAGAGCTCTAGGCTGCTCTGAGAGGATGAGCTCTGCTTACACCGCCCTGTG 914
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DB 541 GGGCAGACAAATGATTTATCTAGAGCGCGTGTACTCAAGACTCCACTATGACGACAT 600

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QY 975 ACCGTGGGCGAGTGCAGTATGAGGGGTCTGCGGCCACACTGCGACATGCTGTGGCGCTG 1034
DB 601 ACCGTGGGCGAGTGCAGTATGAGGGGTCTGCGGCCACACTGCGAGATGCTGTGGCGCTG 660
QY 1035 GATGACTTTAGAGAGAGTGCAGAGTGCAGGCTGTGCGCCAGCGCTATGACTATGAGGATGG 1094
DB 661 GATGACTTTAGAGAGAGTGCAGAGTGCAGGCTGTGCGCCAGCGCTATGACTATGAGGATGG 720
QY 1095 AGCAACACAGCTTCTCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1154
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QY 1155 GCGTTCAGAGCTATGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1214
DB 781 GCGTTCAGAGCTATGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 840
QY 1215 GCGGCGGTGATGATGCTTCCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTG 1274
DB 841 GCGGCGGTGATGATGCTTCCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTG 900
QY 1275 GCGCCAAACTAGGAGGAGCACTGAGGAGACCCAGAGCCCGGCTGTCTCAGTGCAGTGCAGTGC 1334
DB 901 GCGCCAAACTAGGAGGAGCACTGAGGAGACCCAGAGCCCGGCTGTCTCAGTGCAGTGCAGTGC 960
QY 1335 GCGGCGGTGATGATGCTTCCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTG 1394
DB 961 GCGGCGGTGATGATGCTTCCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTGCGCGGTG 1020
QY 1395 TTCAGCGAATCTCTCTATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1454
DB 1021 TTCAGCGAATCTCTCTATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080
QY 1455 ACCTTCCCGCAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1514
DB 1081 ACCTTCCCGCAGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
QY 1515 GAGCTGAGAGCCAGAGGAGCAGACCCGCTGCGCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1571
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RESULT 10

US-08-336-343A-3

Sequence 3, Application US/08336343A

Patent No. 5677144

GENERAL INFORMATION:

APPLICANT: Ulirich, Axel

APPLICANT: Alves, Frauke

TITLE OF INVENTION: CCR-2, A No. 5677144e1 Receptor Tyrosine Kinase

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/336,343A

FILING DATE: 08-NOV-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Cornuzel, Laura A.

REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-065

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,343A
 FILING DATE: 08-NOV-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Cornuzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7663-065
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3157 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-336-343A-5

OY	940	CCGTTACCTCAACACATCCACACCTATGACGGACATACCGTGGGCGAGCTGCAGTTTGGGG	999
Db	2153	TCATTATCTGAATATTTCTGTCTATGATGGAGCTGTTGGATACGATGACAGAGAGG-	2105
OY	1000	GTCTGGGCGAGCTGGCAGATGGTGTGTGGGGGCTGGATGACTTTTGAAGAAGTCAGAGC	1055
Db	2104	--CTAGGCGCAATGACCGATGGTGTGTGTGGGCTGGAGCATTTTCACCAAGCACATGAAAT	2047
OY	1060	TGCGGGTGTGGCCAGGCTATGACTATGTGGATGGAGCAGCCACACAGCTTCTCCAGTGCT	1115
Db	2046	ACACAGTGTGGCCCGGCTATGACTATGTGGGCTGGCGAGAGAGTGCACCAATGGCT	1987
OY	1120	ATGTGAGATGGAGTTTGAATTTGACCGGCTGAGAGGCTTCCAGGCTATGACAGTCCACT	1179
Db	1966	ACATTGATATCATGTTTGAATTTGACCGGCTGAGAAATTTACTACATGAAAGTCCACT	1927
OY	1180	GTACACATGACACACGCTGGAGGCGGCTGTGCTGGGCGGGTGAATGTGCTTCCGAG	1239
Db	1926	GCAACACATTTTGTCTTAAGGTGTGAAGATCTTTAAGAGATACAGTCTACTTCCGCT	1867
OY	1240	GTGGCCCTGCCATGGCTGGGAGGGGAGCCCATGCGCACACCTAGGGGGCAACTGG	1299
Db	1866	CTG---AAGCCAGTAGAGTGGGAACTATATGCCATTTCTCCCTTCTCTGATGACAG	1811
OY	1300	GGGAGCCGAGAGCCCGGGCTGTCTCAAGTCCGCTTGGGGGCGGTGTGGCTGTGCTTTCG	1357
Db	1809	TCAACCCAGAGTGTGGTTTGTACAGGGGCTCTCCACACACGAAATGGCCAGTGCACAA	1750
OY	1360	AGTCCGCTTCTCTTTTCCGGGGGCGGCTGTACTCTTCAGGAAATCTCTTCATCTGTG	1419
Db	1749	AGTGTCAATACCATTTTGCACATATACGTGAGATGTTCAGTATACCTTCCATATAG	1699
OY	1420	ATGTGTGATACAAATTCCTCTCCGGCACTGGGAGGCACCTTCCGCGACCCCTGTGTGC	1479
Db	1689	ATGTGTGATATACAACTCTGAAAGCCCTGCACCACTCTCC--	1647
OY	1480	CGCCTGGGCGCACGCTCCACCAACTTCAGACCTTGGAGCTGGAGCCGAGAGCCAGCAGC	1538
Db	1646	-----TATGGACCCCAACAACTATGTATC	1624
OY	1540	CCGTGGCCAGAGCCGAGGGAGCCGACCGGCTATCTCATCGGCTCGCTGGGCGCATCA	1599
Db	1623	CAATGCTTAAGTTGATGACAGCAACACTGGGATCTCATGTGTGCTGCTTGGTGGCATCA	1564
OY	1600	TCTGTCTCTGCTGCTCATCTATGTCGCTCATGCTGTGGCGGCTGCACATGCGGAGCTCC	1659
Db	1563	TCTTATCTCTCTGGCCATCATGTCTCATCACTCTGTGAGGCAATTTGTGGCAGAAATGC	1504
OY	1660	TCACACAGGCTGAACGAGAGGTGTTGGAAGAAGAGCTGACGGTTCACCTCTCTCCCTG	1719
Db	1503	TGGAGAAAGGCTTCTCGGAGGATGTGTGATGTGAATGACAGTCAAGCTTTCCTGCGCA	1444
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Db	1443	GTGATTTTATGACATTTTCAACAAT-----AACGCTCTT	1411
OY	1780	CCCGGCTCTGTGGAAATCCGGCCCACTCCGCTCCCTGTGTCCCAATGGCTCTGCTGTGC	1839
Db	1410	CATCACTAGTGAACAAAGGATCCAACTGCACTTACGATCGGATTTT-----	1364
OY	1840	TGCTCTCTCAATCCAGCTACCGGCTCTCTTGTGGCCACTTACGCCCTGCCCTGAGAGCC	1899
Db	1363	-----CCCTTTCGCC	1354
OY	1900	CGGCGCCGCCACACCCGCTGGGGCCAAACCCACCAACCCAGGCTTACAGTGGGGACT	1959
Db	1353	CTGACTACACAGAGACCATCCAGGCTGTATGCAAAATCTCCAGAAATTTGCTCCAGGGAGG	1294
OY	1960	ATATGAGCTGTGAACACCAAGGCGCCCGCTTCTGCCCCCACTCCCCAGAAACAGCTCC	2019
Db	1293	AGAGGTACAGGCTGACAGGAGGTGTTGTGAAGCAGTCCAGCCAGTGGGCTCTGAGGGGTGC	1234
OY	2020	CCCATTTTCCGAGGCTGACATTTGTATACCTTCAGAGGCGTCCACCGGGGCAACACTATG	2079

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Db	1173	CAGTCCCTGGCGTGCACATGGACCTGCTCTCAGAGAAAGATGTGGCTTGGAGAGTTCC	1114
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Db	1113	CCAGGAAACTCCTTAATCTTCAAAGAGAGCTGGGAGAGAGCAAGTTTGGGAGGTTCAATC	1054
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Qy	2317	GCTTCTCCTTGTCTCCAGAAATGATTTCTGAAAGAGCTGAAGATCATGTGAGGCTCA	2376
Db	936	-----CCAGAAATGATTTCTTAAAGAAATAAAGTCAATGTCTCGGCTCA	892
Qy	2377	AGGACCCCAACATCATTCGGCTGGCGGGGCGTGTGTGCACAGACAGCCCCCTCGCATGA	2436
Db	891	AGGACCCCAACATCATTCATCTATTTATGTGTGTATCTAGATGACCCCTCTGTGTAGA	832
Qy	2437	TTACTGACTAGATGGAGAACGGCGACCTCAACCAAGTTCTCTGACATGCCCCAGCTGGAG	2496
Db	831	TCACTGATATCATGGAGAAATGGAGATCTCAATCAGTTCTTTCCCGCAGCAGCCCCCTA	772
Qy	2437	ACAAAGCACCCGAGGGGGCCCCCTGGGGACGGGCGAGCTGCCAGAGGGCCCACTACACT	2556
Db	771	ATTCTCTCTCAGGG-----AGTACGCACTGTCTGAGTT	739
Qy	2557	ACCAATGCTCTGCAATGTGGCGACGCCAGATCGGCTCCGGCATGGCATTTGGCCACAC	2616
Db	738	ACACCAATCTGAATTTATGTGCTTACCCAAATTTGCTCTGGCATGAATCTTTCTCTTC	679
Qy	2617	TCAACTTTGTACATCGGGACCTGGCCACGCGGAACTGCTAGTTGGGAAAAATTTACCA	2676
Db	678	TTAATTTTGTTCACCGAGATCTGGCCACACAGAACTGTTAGTGGGTAAAGTAACACAA	619
Qy	2677	TCAAATTCGACAGCTTTGGCATGAGCCGGAACTCTATGCTGGGGACTATTACCTGTGC	2736
Db	618	TCAAAGATATGCTGACTTTGGATGTAGACAGAACTCTACAGTGGTACTATTATCCGGAATCC	559
Qy	2737	AGGGCCGGGCGAGTGTGCTGCCATTCGCGTGGATGGGCTGGGAGTGCATCTCAATGGGAGT	2796
Db	558	AGGGCCGGGCGAGTGTGCTGCCATTCGCGTGGATGGGCTGGGAGTGCATCTCAATGGGAGT	499
Qy	2797	TCACGACTGCGATGACGTGTGGGCTTTGGTGTGACCTGTGGAGAGTGTGATGCTCT	2856
Db	498	TCACTACAGCAAGATGTGTGGGCTTTGGGTTACTTTGTGGAGACTTTCACCTTTT	439
Qy	2857	GTAAGGCCACGCCCTTTGGGCAAGTGTCAACCGACAGCAGTCAATGAGAACGGGGGAGT	2916
Db	438	GTCAGAAACACCCCTATTATCCACGTGTGCAGTGAACAGGTTATTGAAMAATCTGGAAGT	379
Qy	2917	TCTTCGAGGACAGAGCGCGGAGGTGTACCTGTCCCGGCGCTGCTGCGCCGAGGGCC	2976
Db	378	TCTTCGAGGACAGAGGAGGAGCACTTACCTCCCTCAACAGCCATTTGTCTGACCTGTG	319
Qy	2977	TATATGAGCTATGCTTGGTGTCTGAGACCGGGAGTGTGACACGACCAACCTTTTCC	3036
Db	318	TGTATTAAGCTGATCTCAGCTGTGAGAAAGATATGAGAAACCCGCTCATTTCCAAG	259
Qy	3037	AGTGCATCGGCTTCCCT	3052
Db	258	AAATCCACTTTTGTCT	243

RESULT 12

Mon Jun 2 09:01:25 2003

us-08-153-397a-1.rni

Page 23

ADDRESS: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 720 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/441,104A
FILING DATE: 15-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/286305
FILING DATE: 05-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 854C1PIC2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/325-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2820 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear